

INKJET PRINTER USING THERMAL SENSING ELEMENTS TO IDENTIFY DIFFERENT TYPES OF CARTRIDGES

Abstract

An inkjet printer includes different types of cartridges and different thermal sensing elements are set on different types of cartridges. The inkjet printer utilizes a detecting circuit to generate a sensing signal according to a working temperature of a printhead sensed by the thermal sensing element. Therefore, according to the sensing signal, the inkjet printer can determine the working temperature of the printhead. Furthermore, a control circuit of the inkjet printer can also identify different types of cartridges, as values of the sensing signal generated by different thermal sensing elements fall into different ranges.